

CLAIMS

What is claimed is :

1. A turbine wind energy generator structure comprising a turbine ventilator, a drive system, a transmission, a generator and a tower; the characteristics of the turbine wind energy generator lie in : the turbine ventilator comprises an immovable frame, a upright fixed shaft is installed on the center whereof; the immovable frame is tubular shaped with several struts set wherein; a hub is a round shape installed on top of the fixed shaft on the immovable frame having a bearing installed in the center whereof; the bearing is coupled with the fixed shaft; a gear wheel is mounted under the center of and synchronously revolved together with a lower hub; several screw blades are positioned on the lateral sides of the upper and the lower hubs.
- 5 A lightning conductor device is positioned on the top of the fixed shaft above the upper hub; the entire turbine ventilator is fixed on the tower; a control cabinet having the transmission and the generator installed inside whereof is positioned at the bottom of the tower 50.
- 10 2. The turbine wind energy generator structure of claim 1, wherein the tower is a hollow casing, which shape can be a geometrical or irregular shape.
- 15 3. The turbine wind energy generator structure of claim 1, wherein the tower is installed in an open space.
- 20 4. The turbine wind energy generator structure of claim 1, wherein

the gear wheel and the transmission are to transmit the revolving energy through the drive system.

5. The turbine wind energy generator structure of claim 1, wherein the gear wheel is to tune up the rotation rate of the turbine ventilator.
6. The turbine wind energy generator structure of claim 1, wherein the generator has a battery installed for storing or outputting electric power.
7. The turbine wind energy generator structure of claim 1, wherein 10 the gear wheel can be connected to a small generator for generating electric power.